

T5N, R90W, 5th. P.M.

SWEPI LP

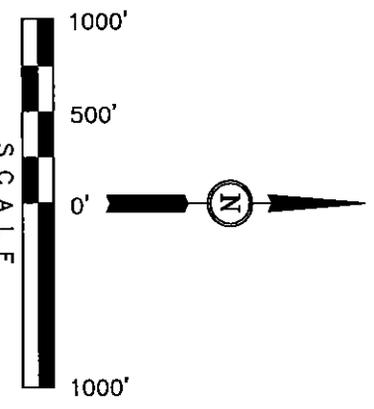
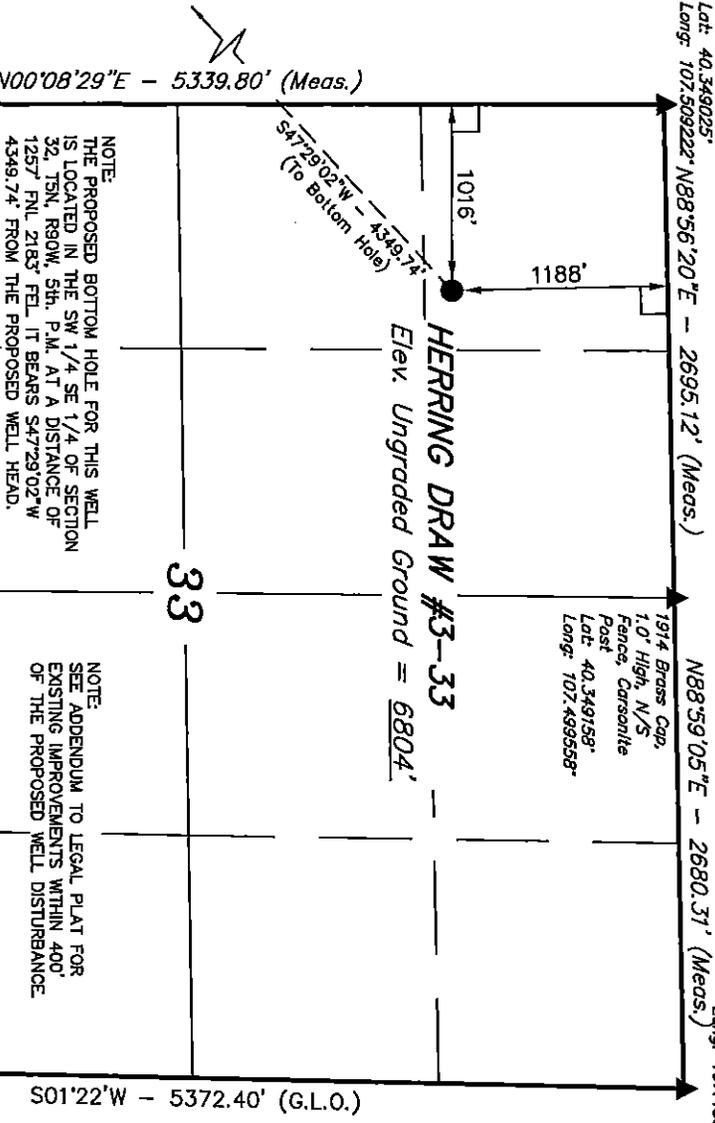
1914 Brass Cap,
2.0' High, Pile of
Stones, S/E/W
Lat: 40.349025°
Long: 107.509222°

1914 Brass Cap,
2.3' High, Pile of
Stones
Lat: 40.349286°
Long: 107.489947°

Well location, HERRING DRAW #3-33 (SURFACE LOCATION), located as shown in the NW 1/4 NW 1/4 of Section 33, T5N, R90W, 6th. P.M., Moffat County, Colorado.
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 31, T5N, R90W, 6th P.M. TAKEN FROM THE HAMILTON QUADRANGLE, COLORADO, MOFFAT COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6664 FEET.
BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT IS CORRECT AND ACCURATE FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 6822
STATE OF COLORADO
Exp. 08-17-12

UNTAR ENGINEERING & LAND SURVEYING
86 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

PDOP = 2.1

NAD 83 (SURFACE LOCATION)	
LATITUDE =	40°20'44.93" (40.345814)
LONGITUDE =	107°30'20.12" (107.505889)
NAD 27 (SURFACE LOCATION)	
LATITUDE =	40°20'45.02" (40.345839)
LONGITUDE =	107°30'17.90" (107.504872)

SCALE	1" = 1000'	DATE SURVEYED:	08-17-12	DATE DRAWN:	08-17-12
PARTY	D.N., Z.L.	REFERENCES	G.L.O. PLAT		
WEATHER	HOT	FILE	SWEPI LP		

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

T5N, R90W, 5th. P.M.

1914 Brass Cap,
2.0' High, Pile of
Stones, S/E/W
Lat: 40.349025°
Long: 107.509222°

S89°33'02"W - 2676.46' (Meas.)

S88°19'48"W - 2678.96' (Meas.)

1914 Brass Cap,
0.4' High, E/W
Lat: 40.348811°
Long: 107.518828°

1914 Brass Cap,
0.2' High, Pile of
Stones, Steel Post
Lat: 40.346753°
Long: 107.528425°

S04°52'40"E - 5305.53' (Meas.)

N00°08'29"E - 5339.80' (Meas.)

1914 Brass Cap,
0.7' Below Ground
Lat: 40.334247°
Long: 107.528808°

1914 Brass Cap,
2.5' High, Steel Post
Lat: 40.334226°
Long: 107.518881°

N89°38'44"E - 2210.78' (Meas.)

Set Marked Stone
Lat: 40.334372°
Long: 107.509225°

NOTE:
THE PROPOSED BOTTOM HOLE BEARS S47°29'02"W
4349.74' FROM THE PROPOSED WELL HEAD WHICH
IS LOCATED IN THE NW 1/4 NW 1/4 OF SECTION
33, T5N, R90W, 6th. P.M. AT A DISTANCE OF
1188' FNL 1016' FWL.

HERRING DRAW #3-33
Target Bottom Hole

32

1257'

2183'

S47°29'02"W = 4349.74'
(to Bottom Hole)

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	
LATITUDE = 40°20'15.90" (40.337750)	
LONGITUDE = 107°31'01.52" (107.517089)	
NAD 27 (TARGET BOTTOM HOLE)	
LATITUDE = 40°20'15.99" (40.337775)	
LONGITUDE = 107°30'59.29" (107.516469)	

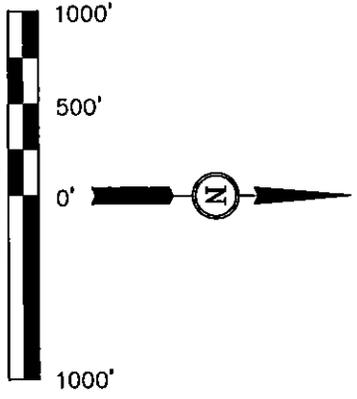
SWEP1 LP

Well location, HERRING DRAW #3-33 (TARGET BOTTOM HOLE), located as shown in the SW 1/4 SE 1/4 of Section 32, T5N, R90W, 6th. P.M., Moffat County, Colorado.
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 31, T5N, R90W, 6th P.M. TAKEN FROM THE HAMILTON QUADRANGLE, COLORADO, MOFFAT COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6664 FEET.

BASIS OF BEARINGS

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CERTIFICATE

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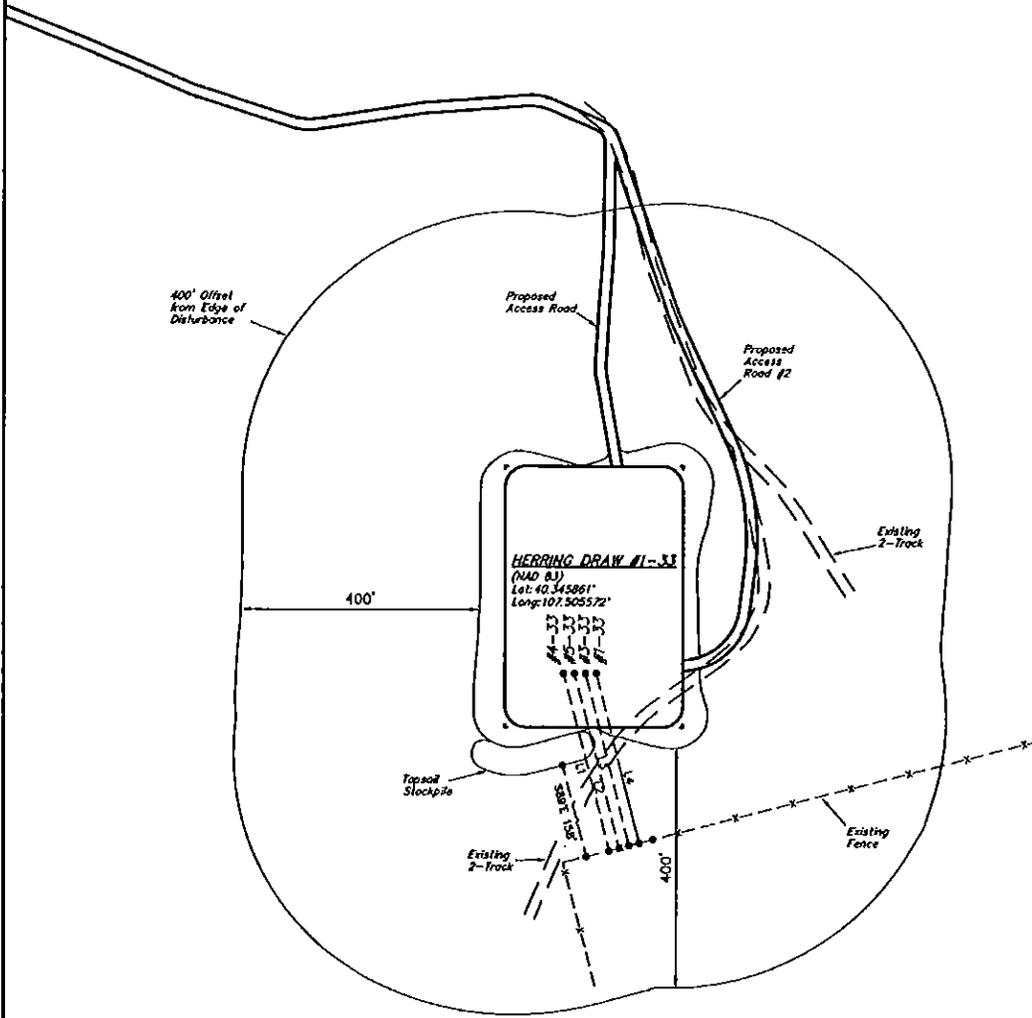
REGISTERED LAND SURVEYOR
REGISTRATION NO. 12722
STATE OF COLORADO
08-17-12

UTPAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE	1" = 1000'	DATE SURVEYED:	08-17-12	DATE DRAWN:	08-17-12
PARTY	D.N. Z.L.	REFERENCES	G.L.O. PLAT		
WEATHER	HOT	FILE	SWEP1 LP		

SWEPI LP
ADDENDUM TO LEGAL PLAT FOR
HERRING DRAW #1-33, #3-33, #4-33 & #5-33
SECTION 33, T5N, R90W, 6th P.M.
NW 1/4 NW 1/4

SCALE: 1" = 200'
 DATE: 07-11-11
 DRAWN BY: J.I.
 REV: 11-02-11
 REV: 05-18-12 Z.L.
 REVISED: 07-25-12
 REVISED: 08-10-12



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°01'18"E	306.04'
L2	S89°01'18"E	301.56'
L3	S89°01'18"E	297.08'
L4	S89°01'18"E	292.60'